

Analysis of sludge pit at rear of plant - hauled out &
pond filled at Grangers 6-3-81 Grangers is L.F. in Lansing

Alpha Lab Environmental Laboratory

US EPA RECORDS CENTER REGION 5



487746

TRW - Portland

May 26, 1981

Project No. 13680

Date Received: 5/14/81

Soil Samples 4.5 - 5.0 - 5.5
EP Toxicity Test

Arsenic	<5 ug/l
Barium	<0.5 mg/l
Cadmium	0.01 mg/l
Copper	<0.01 mg/l
Chromium Total	<0.01 mg/l
Cyanide Total	0.01 mg/l
Lead	<0.03 mg/l
Mercury	<0.5 ug/l
Selenium	<1 ug/l
Silver	<0.01 mg/l
Zinc	0.95 mg/l
pH	5.3

Lab No 309

This report is accurate and true to the best of my ability and in accordance to procedures described in "Standard Methods for the Examination of Water and Wastewater," 14th Edition, and "EPA Methods for Chemical Analysis of Water and Wastes," March 1979

Michael Winchester
Michael Winchester Chemist

jds

PURCHASE REQUISITION
TPFC 2689 REV. (8/74)

REQ. NO. **J 78938**

DATE **7 16 81**

SHIP TO (DESTINATION)

SHIP VIA **X**

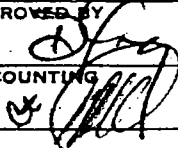
P.O. DATE


PURCHASE ORDER NO.

MP 67021

F.O.B.	TERMS	TAX EX ABLE EMT X	LEDGER CODE CORP. DIV.	ACCT. NO. 59-124	DEPT. NO.	SECONDARY DISTRIBUTION CONT. ORDER NO. SFX 012 172
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VENDOR CODE	MATERIAL CODE	REQUIRED BY H. Pm/I.E. X	PHONE	DELIVER TO (BAY LOCATION)
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VENDOR NAME Cook Bros. Excavating Inc.	DNR AREA CLEANUP REQUIREMENTS
1150 Lyons Road	APPROVAL SIGNATURES
Portland, Michigan 48875	APPROVED BY 

ATTENTION	CONFIRMING DATE	CONFIRMING TO	ACCOUNTING 	BUYER INVOICE APPROVAL REQ'D <input type="checkbox"/> YES	OTHER	COST EST. NO.
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ITEM	QUANTITY	DESCRIPTION	PRICE	UNIT MEAS.
	132 yds.	Loading, hauling to landfill, replacing sand	1089.00	
	3 hours	Doser	120.00	
TOTAL			\$1209.00	

Complete

DELIVERY REQUIREMENTS	IT.	DATE	QUAN.	IT.	DATE	QUAN.	IT.	DATE	QUAN.	IT.	DATE	QUAN.	IT.	DATE	QUAN.
DELIVERY PROMISE	IT.	DATE	QUAN.	IT.	DATE	QUAN.	IT.	DATE	QUAN.	IT.	DATE	QUAN.	IT.	DATE	QUAN.

SUPPLEMENTAL CLAUSES APPLICABLE TO THIS CONTRACT	BUYER
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Steering &
Suspension Division
TRW Chassis
Components Group

902 Lyons Road
Portland, MI 48875
517.647.4121

November 21, 1984


EPA Region V
RCRA Activities
P.O. Box A3587
Chicago, Ill. 60690-3587

As a result of an inquiry by Elizabeth Bols, Environmental Sanitarian from the State of Michigan, we find that TRW Portland should be dropped as a generator of Hazardous Waste from the EPA records.

TRW Portland reported hazardous waste activity in error on EPA Form 8700-12 on August 18th of 1980.

If you have any questions, please contact Ms. Bols at the address below or me.

Sincerely,


K. Patterson, Mgr.
Industrial Engineering

cc: Elizabeth Bols
Michigan Dept. Natural Resources
350 Ottawa St., N.W.
Grand Rapids, MI 49503
(616-456-5071)



U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprint label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and below blank. If you did not receive a preprint label, complete all items. "Installation" means single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

INSTALLATION'S EPA I.D. NO.

MID006017693

mailed 8-18-80

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

TRW INC
902 LYONS RD
PORTLAND, MI 48875

III. LOCATION OF INSTALLATION

902 LYONS RD
PORTLAND, MI 48875

FOR OFFICIAL USE ONLY

COMMENTS

INSTALLATION'S EPA I.D. NUMBER

APPROVED

DATE RECEIVED
(yr., mo., & day)

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

CITY OR TOWN

ST.

ZIP CODE

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

CITY OR TOWN

ST.

ZIP CODE

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

PHONE NO. (area code & no.)

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

B. TYPE OF OWNERSHIP
(enter the appropriate letter into box)

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

F - FEDERAL
M - NON-FEDERAL

☒ A. GENERATION

☐ B. TRANSPORTATION (complete item VII)

☐ C. TREAT/STORE/DISPOSE

☐ D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ A. AIR

☐ B. RAIL

☐ C. HIGHWAY

☐ D. WATER

☐ E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

☒ A. FIRST NOTIFICATION

☐ B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

MID006017693

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

W

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24
7	8	9	10	11	12
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24
19	20	21	22	23	24
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24
25	26	27	28	29	30
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24
37	38	39	40	41	42
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24
43	44	45	46	47	48
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54
23 - 24	23 - 24	23 - 24	23 - 24	23 - 24	23 - 24

E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☐ 1. IGNITABLE
(D001)

☐ 2. CORROSIVE
(D002)

☐ 3. REACTIVE
(D003)

☐ 4. TOXIC
(D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE



NAME & OFFICIAL TITLE (type or print)

KEITH PATTERSON - TRW INC
MGR. IND. ENG'G.

DATE SIGNED

8-15-80

FISHBECK, THOMPSON, CARR & HUBER, INC.

CONSULTING ENGINEERS

AFFILIATED COMPANIES

Alpha Lab Inc.
Walter W. Meinert, P.E.
Groundwater Hydrologist

March 4, 1982
Project No. 81874/108-16

PRINCIPALS

J. Paul Thompson, Jr., P.E.
Charles D. Carr, P.E.
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James D. Townley, P.E.
Forrest Winchester, P.E.
William A. Johnson, R.L.S.
Peter D. Beaver, R.L.S.

Mr. Keith Patterson
Industrial Engineer
TRW, Inc.
902 Lyons Road
Portland, MI 49975

*EP Toxicity Test
on sludge from ponds*

Dear Keith:

This letter will confirm our conversation regarding the toxicity testing of the sludges. We collected samples of following sludges:

- Pond No. 1 First pond below the hill, this pond receives the discharge from the clarifier in the waste treatment system.
- Pond No. 2 Second pond below the hill, receives the flow from pond No. 1.
- Pond No. 3 Third pond below the hill, received flow from pond No. 2.
- Pond No. 4 Pit on top of the hill, receives the sludge from the clarifier.

The results of the U. S. EPA Toxicity Test EP show that the sludges are not hazardous wastes. These sludges can be disposed of in a cake form in a general refuse sanitary landfill.

The other sludge samples have been sent to the manufacturers of sludge dewatering equipment. We expect results from their tests in about one month. These results will be evaluated and then pilot tests will be conducted at your plant site.

If you have any questions or need further information, please contact us.

Very truly yours,

FISHBECK, THOMPSON, CARR & HUBER, INC.

Forrest Winchester
Forrest Winchester, P.E.

jds

Enclosures

Alpha Lab

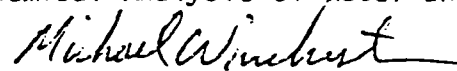
TRW

January 21, 1982
Project No. 13680
Date Received: 11/12/81

- - - - - 11/11/81 EP Toxicity - - - - -

	<u>Pond #1</u>	<u>Pond #2</u>	<u>Pond #3</u>	<u>Pond #4</u>	<u>EPA Limits</u>
Arsenic	23 ug/l	22 ug/l	22 ug/l	20 ug/l	5.0 mg/l
Barium	0.39 mg/l	0.36 mg/l	<0.02 mg/l	0.28 mg/l	100.0 mg/l
Cadmium	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	1.0 mg/l
Copper	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	100.0 mg/l
Chromium Total	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	5.0 mg/l
Cyanide Total	<0.01 mg/l	0.01 mg/l	<0.01 mg/l	<0.01 mg/l	20.0 mg/l
Lead	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	5.0 mg/l
Mercury	<1 ug/l	<1 ug/l	<1 ug/l	<1 ug/l	0.2 mg/l
Selenium	5.0 ug/l	5.0 ug/l	5.0 ug/l	6.5 ug/l	1.0 mg/l
Silver	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	<0.02 mg/l	5.0 mg/l
Zinc	0.37 mg/l	0.19 mg/l	0.37 mg/l	0.62 mg/l	500.0 mg/l
Lab No.	445L	446L	447L	448L	

This report is accurate and true to the best of my ability and in accordance to procedures described in "Standard Methods for the Examination of Water and Wastewater," 14th Edition, and "EPA Methods for Chemical Analysis of Water and Wastes," March, 1979.


Michael Winchester, Chemist

jds

Alpha Lab Environmental Laboratories, Inc.

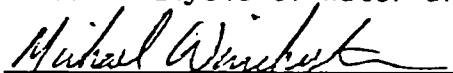
TRW

January 21, 1982
Project No. 13680
Date Received: 11/12/81

----- 11/11/81 -----

	<u>Pond #1</u>	<u>Pond #2</u>	<u>Pond #3</u>	<u>Pond #4</u>
Grease and Oil	1,500 mg/l	2,200 mg/l	1,200 mg/l	46,000 mg/l
Solids Total	14%	6%	3%	22%
Lab No.	445	446	447	448

This report is accurate and true to the best of my ability and in accordance to procedures described in "Standard Methods for the Examination of Water and Wastewater," 14th Edition, and "EPA Methods for Chemical Analysis of Water and Wastes," March, 1979.


Michael Winchester, Chemist

jds